

Fan coils with EC motor

YARDY-I EV3

Cooling capacity 1,9÷8,4 kW
Heating capacity 2,5÷11,8 kW

New white RAL 9003 for versions with cabinet

New touch controls

Air'Suite biocide filter for healthier and cleaner air in indoor environments

Enhanced performance with 4-row coil

Consumption reduced by 50% with EC motor

Continuous fan speed regulation

Tax incentives*



Features
air'suite



Floor and ceiling fan coil units with cabinet for recessed wall or false ceiling installation.

Construction features

- Heat exchanger: with finned coil with left side connections reversible to the right.
- Centrifugal fan with an inverter controlled electronic brushless motor and continuous speed adjustment.
- Cabinet version structure: covering cabinet in pre-painted sheet steel, RAL9003, complete with a regenerable filter, ABS polymer grilles and a natural condensate drain pan.
- Recessed version structure: in galvanised sheet steel, complete with a natural condensate drain pan and regenerable filter.

Versions

- MVP - Vertical unit with cabinet equipped with lower air inlet and upper delivery for wall mounting installation or with feet on the ground.
- MVT - Vertical unit with cabinet equipped with front air inlet and upper delivery for floor installation.
- MXP - Horizontal/vertical unit with cabinet, equipped with lower air inlet and upper delivery, for ceiling installation, wall mounted or with feet on the ground.
- MXT - Horizontal/vertical unit with cabinet, equipped with front air inlet and upper delivery, for ceiling or floor installation.

- IVP - Recessed vertical unit equipped with lower air inlet and upper delivery for wall mounting installation.
- IVF - Recessed vertical unit equipped with lower air inlet and front delivery for wall mounting installation.
- IXP - Horizontal/vertical unit equipped with lower air inlet and upper delivery for false ceiling or recessed wall installation.

Construction set-ups

Type of unit
2T - Single main coil.
4T - Double main coil and additional.

ACCESSORIES

- ❖ Additional water heating coil for 4-pipe systems.
- ❖ Electrical resistance.
- ❖ 2-way ON/OFF electrovalves for 2 and 4-pipe systems.
- ❖ 3-way ON/OFF electrovalves for 2 and 4-pipe systems.
- ❖ 4-way ON/OFF electrovalves for 4-pipe systems with single main coil.
- ❖ Auxiliary condensate drain pan.
- ❖ Air'Suite biocide filter.

- ❖ Electrical box for connection terminal block.
- ❖ Air inlet flange: Ø10cm or Ø12cm.
- Manual damper.
- Motorised damper.
- Back in view.
- Rear closing panel.
- Rear closing panel with grille and filter.
- Support feet with pipe cover.
- Flanged frame for duct connection.
- Frame with Air'Suite biocide filter (G2) that can be extracted in any direction.
- Delivery straight fitting.
- 90° delivery and inlet fitting.
- Telescopic outlet/inlet fitting.
- Inlet grille with filter.
- Delivery grille.
- Formwork for recessed wall or false ceiling installation.
- Aesthetic panel for wall mounted formwork, with air delivery and return grille.
- Aesthetic panel for formwork, with air inlet grille.
- Delivery nozzle made of aluminium, with a double row of adjustable fins.
- Anti-vibration fitting for delivery/inlet duct connection.
- Intake/outlet plenum with round nozzles.

CONTROLS

STANDARD controls

For wall mounting installation

- Electronic panel with display and RS485 serial interface, semi-recessed in wall.

Advanced LIT-TOUCH controls

- Flush LIT-Touch control panel in glossy black or pearl white for wall mounting installation.
- Wall mounted LIT-Touch remote control and receiver with air temperature probe and operation LED.
- ❖ LIT-Touch control with air temperature probe for on board installation.

For on board installation

- ❖ LIT-Touch electronic control for 2-pipe systems, with 2 pipes with electrical resistance or 4 pipes, complete with a minimum water temperature probe, ON/OFF valve control and integrated master/slave function up to a total of 15 units.
- ❖ Additional board with 2 digital outputs that can be configured.
- ❖ On board air temperature probe.
- ❖ RS485 serial board for serial communication with other devices (Modbus RTU protocol).

Key: ❖ Factory fitted

- Supplied separately

Technical data

| YARDY-I EV3 MVP-MVT-MXP-MXT-IVP-IVF-IXP | | | | 20 | 24 | 30 | 34 | 45 | 48 | 60 | 74 |
|---|-----|---------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| ❶ Total cooling capacity [EN1397] | MAX | kW | E | 1,86 | 2,24 | 2,97 | 3,37 | 4,11 | 4,6 | 6,28 | 7,33 |
| | MED | kW | E | 1,44 | 1,68 | 2,33 | 2,75 | 3,05 | 3,49 | 4,6 | 5,24 |
| | MIN | kW | E | 0,75 | 0,8 | 1,08 | 1,34 | 1,53 | 1,73 | 1,78 | 2,1 |
| ❷ Heating capacity (45°C) [EN1397] | MAX | kW | E | 2,1 | 2,18 | 3,27 | 3,41 | 4,47 | 4,65 | 7,13 | 7,41 |
| | MED | kW | E | 1,48 | 1,57 | 2,52 | 2,6 | 3,13 | 3,27 | 5,12 | 5,31 |
| | MIN | kW | E | 0,77 | 0,81 | 1,2 | 1,26 | 1,5 | 1,57 | 1,88 | 1,94 |
| ❸ Heating capacity (50°C) | MAX | kW | E | 2,47 | 2,6 | 3,87 | 4,07 | 5,3 | 5,54 | 8,38 | 8,81 |
| | MED | kW | E | 1,77 | 1,88 | 2,99 | 3,14 | 3,74 | 3,93 | 6,07 | 6,37 |
| | MIN | kW | E | 0,92 | 0,97 | 1,42 | 1,52 | 1,81 | 1,9 | 2,25 | 2,36 |
| ❹ Heating capacity (70°C) [EN1397] | MAX | kW | | 4,2 | 4,36 | 6,56 | 6,85 | 8,96 | 9,31 | 14,28 | 14,86 |
| | MED | kW | | 2,98 | 3,14 | 5,06 | 5,26 | 6,28 | 6,56 | 10,3 | 10,77 |
| | MIN | kW | | 1,56 | 1,64 | 2,44 | 2,56 | 3,06 | 3,19 | 3,87 | 3,98 |
| ❺ Heating capacity of additional coil (65°C) [EN1397] | MAX | kW | E | 1,95 | 2,08 | 2,94 | 2,8 | 3,36 | 3,2 | 5,64 | 5,37 |
| | MED | kW | E | 1,66 | 1,6 | 2,34 | 2,22 | 2,84 | 2,7 | 4,67 | 4,45 |
| | MIN | kW | E | 0,87 | 0,83 | 1,3 | 1,23 | 1,53 | 1,46 | 2,17 | 2,06 |
| ❻ Heating capacity of additional coil (70°C) [EN1397] | MAX | kW | E | 2,21 | 2,36 | 3,33 | 3,17 | 3,83 | 3,64 | 6,38 | 6,08 |
| | MED | kW | E | 1,92 | 1,84 | 2,65 | 2,52 | 3,3 | 3,15 | 5,3 | 5,04 |
| | MIN | kW | E | 1,01 | 0,96 | 1,48 | 1,41 | 1,79 | 1,7 | 2,5 | 2,38 |
| Air flow speed | MAX | m³/h | | 331 | 331 | 523 | 523 | 645 | 645 | 1235 | 1235 |
| | MED | m³/h | | 230 | 230 | 400 | 400 | 450 | 450 | 780 | 780 |
| | MIN | m³/h | | 97 | 97 | 167 | 167 | 198 | 198 | 256 | 256 |
| Sound power | MAX | dB(A) | E | 48 | 48 | 50 | 50 | 51 | 51 | 62 | 62 |
| | MED | dB(A) | E | 40 | 40 | 43 | 43 | 42 | 42 | 50 | 50 |
| | MIN | dB(A) | E | 29 | 29 | 29 | 29 | 29 | 29 | 30 | 30 |
| ❼ Sound pressure | MAX | dB(A) | | 39 | 39 | 41 | 41 | 42 | 42 | 53 | 53 |
| | MED | dB(A) | | 31 | 31 | 34 | 34 | 33 | 33 | 41 | 41 |
| | MIN | dB(A) | | 20 | 20 | 20 | 20 | 20 | 20 | 21 | 21 |
| Absorbed power | MAX | W | E | 23 | 25 | 26 | 28 | 39 | 42 | 89 | 95 |
| | MED | W | E | 13 | 14 | 15 | 16 | 14 | 15 | 28 | 30 |
| | MIN | W | E | 6 | 6 | 6 | 6 | 7 | 8 | 7 | 7 |
| Electrical supply | | V-ph-Hz | | 230-1-50 | 230-1-50 | 230-1-50 | 230-1-50 | 230-1-50 | 230-1-50 | 230-1-50 | 230-1-50 |
| DIMENSIONS AND WEIGHT | | | | 20 | 24 | 30 | 34 | 45 | 48 | 60 | 74 |
| L – MXP-MXT-MVP-MVT width | | mm | | 800 | 800 | 1000 | 1000 | 1200 | 1200 | 1500 | 1500 |
| L – IVP-IXP-IVF width | | mm | | 550 | 550 | 750 | 750 | 950 | 950 | 1250 | 1250 |
| H – MXP-MXT-MVP-MVT height | | mm | | 570 | 570 | 570 | 570 | 570 | 570 | 570 | 570 |
| H – IVP-IXP-IVF height | | mm | | 545 | 545 | 545 | 545 | 545 | 545 | 545 | 545 |
| MVP-MVT-MXP-MXT Feet height | | mm | | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| P – MXP-MXT-MVP-MVT Depth | | mm | | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 |
| P – IVP-IXP-IVF Depth | | mm | | 212 | 212 | 212 | 212 | 212 | 212 | 212 | 212 |
| MXP-MXT-MVP-MVT Weight | | kg | | 20 | 20,5 | 21 | 22 | 28 | 29 | 35 | 36 |
| IVP-IXP-IVF Weight | | kg | | 16,5 | 17 | 20,5 | 21,5 | 25,5 | 27 | 34,5 | 35,5 |
| YARDY-I EV3 MVP-MVT-MXP-MXT-IVP-IVF-IXP | | | | | | | | | 80 | | 88 |
| ❶ Total cooling capacity [EN1397] | MAX | kW | E | | | | | 7,94 | | 8,4 | |
| | MED | kW | E | | | | | 5,87 | | 6,32 | |
| | MIN | kW | E | | | | | 2,1 | | 2,25 | |
| ❷ Heating capacity (45°C) [EN1397] | MAX | kW | E | | | | | 9,67 | | 10,07 | |
| | MED | kW | E | | | | | 7,15 | | 7,43 | |
| | MIN | kW | E | | | | | 2,63 | | 2,74 | |
| ❸ Heating capacity (50°C) | MAX | kW | E | | | | | 11,29 | | 11,77 | |
| | MED | kW | E | | | | | 8,39 | | 8,75 | |
| | MIN | kW | E | | | | | 3,07 | | 3,22 | |
| ❹ Heating capacity (70°C) [EN1397] | MAX | kW | | | | | | 19,35 | | 20,14 | |
| | MED | kW | | | | | | 14,35 | | 14,91 | |
| | MIN | kW | | | | | | 5,37 | | 5,6 | |
| ❺ Heating capacity of additional coil (65°C) [EN1397] | MAX | kW | E | | | | | 6,5 | | 6,17 | |
| | MED | kW | E | | | | | 5,39 | | 5,14 | |
| | MIN | kW | E | | | | | 2,51 | | 2,4 | |
| ❻ Heating capacity of additional coil (70°C) [EN1397] | MAX | kW | E | | | | | 7,37 | | 6,98 | |
| | MED | kW | E | | | | | 6,12 | | 5,83 | |
| | MIN | kW | E | | | | | 2,9 | | 2,76 | |

| | | | | | |
|------------------------------|-----|---------|---|-----------|-----------|
| Air flow speed | MAX | m³/h | | 1503 | 1458 |
| | MED | m³/h | | 965 | 965 |
| | MIN | m³/h | | 300 | 300 |
| Sound power | MAX | dB(A) | E | 66 | 66 |
| | MED | dB(A) | E | 56 | 56 |
| | MIN | dB(A) | E | 32 | 32 |
| ⑥ Sound pressure | MAX | dB(A) | | 57 | 57 |
| | MED | dB(A) | | 47 | 47 |
| | MIN | dB(A) | | 23 | 23 |
| Absorbed power | MAX | W | E | 136 | 146 |
| | MED | W | E | 52 | 56 |
| | MIN | W | E | 9 | 10 |
| Electrical supply | | V-ph-Hz | | 230-1-50 | 230-1-50 |
| DIMENSIONS AND WEIGHT | | | | 80 | 88 |
| L – MXP-MXT-MVP-MVT width | | mm | | 1500 | 1500 |
| L – IVP-IXP-IVF width | | mm | | 1250 | 1250 |
| H – MXP-MXT-MVP-MVT height | | mm | | 570 | 570 |
| H – IVP-IXP-IVF height | | mm | | 545 | 545 |
| MVP-MVT-MXP-MXT Feet height | | mm | | 100 | 100 |
| P – MXP-MXT-MVP-MVT Depth | | mm | | 220 | 220 |
| P – IVP-IXP-IVF Depth | | mm | | 212 | 212 |
| MXP-MXT-MVP-MVT Weight | | kg | | 37 | 38 |
| IVP-IXP-IVF Weight | | kg | | 36,5 | 37,5 |

Data at the following conditions:

- ① Air: 27°C D.B.; 19°C W.B. – Water: 7/12°C.
 - ② Air: 20°C – Water: 45/40°C.
 - ③ Air: 20°C – Water: 50°C, flow rate as in cooling.
 - ④ Air: 20°C – Water: 70/60°C.
 - ⑤ Air: 20°C – Water: 65/55°C.
 - ⑥ For room volume equal to 100 m³ and reverberation time = 0.5 sec.
 - E Eurovent certified performance.
- Performance refers to the motor's input signal: 10V – 6V – 1V at MAX – MED – MIN speed.
 YARDY-I EV3 24 – 34 – 48 – 74 – 88 with oversized 4-row coil.
 For the selection with Air'Suite filter, refer to the UP-TO-DATE selection Software.



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